

WHAT IS CLAIMED IS:

1. A method of enhancing the take of a nitrogen fixing microorganism by exposing it to low-energy electron beams.
2. The method according to claim 1, wherein the energy of electron beams is so controlled that an adequate dose for enhancing the take of the nitrogen fixing microorganism on the root of a plant is applied to the desired site on the epidermis of the plant's tissue.
3. The method according to claim 1, wherein the electron beams to be applied have an energy between 100 keV and 500 keV.
4. The method according to claim 1, wherein the electron beams are applied at a dose between 10 Gy and 100 kGy.